

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 5/24/2010 Page 1 of 2

TO: Pete Siegenthaler, Prin TE /			FILE: E.A. 04 - 0120F4	
FROM: Gary Pursell, Sup. TE			CO-RTE-PM SF-80-13.2/13.9	
FED. NO.				
CCO#: 146	SUPPLEMENT#: 0	Category Code: CHPT	CONTINGENCY BALANCE (incl. this change) \$49,589,680.40	
COST: \$600,000.00 INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>			HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Eye Bar Strain Monitoring System			PROJECT DESCRIPTION: CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE	
Original Contract Time: 2490 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 227 Day(s)	Percentage Time Adjusted: (including this change) 9 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 6

THIS CHANGE ORDER PROVIDES FOR:

Furnish, install and provide technical services for a Long-term strain monitoring system and Field Vibration Data Acquisition system for performance monitoring of the repaired eye bar member on the San Francisco Oakland Bay Bridge (SFOBB).

Emergency Contract No. 04-0G8404 provided for the repair of a failed eye bar member on a cantilever truss on the East Span of the SFOBB. This contract was the third of three emergency contracts concerning the eyebars failure with the first two contracts providing temporary repairs and this third contract providing for the permanent repair. This permanent repair work on that contract was performed by the joint venture of American Bridge Fluor (ABF), beginning in November 2009 and ending in March 2010. The final cost of this work came to just over \$2,000,000.

Subsequent to the completion of that emergency contract work, Brian Maroney, Deputy Toll Bridge Program Manager, requested additional performance monitoring of the repaired eye bar. The work includes furnishing and installing 8 strain gauges to monitor the long term strains being realized by the eyebars and 3 triaxial accelerometer transducers to measure field vibrations. Accompanying data acquisition systems shall also be furnished and installed to support this equipment along with training and technical support.

This work will be paid as extra work at force account and it is estimated to total \$600,000.00, which can be financed from the contingency fund. A cost analysis is on file.

Kha Hoang of the Office of Risk Management at Headquarters Construction concurs with the revision to Section 7-1.12B (4)(b), "Liability Limits/Additional Insureds," of the Standard Specifications as amended in the Special Provisions of this contract.

Peter Lee of the Bay Area Toll Authority, the sole funding agency for this contract, concurs with this change.

This change order received concurrences from Gary Pursell (Resident Engineer), Pete Siegenthaler (Principal Engineer), Ken Terpstra (Project Manager), Tony Anziano (Toll Bridge Manager) and Jon Tapping (SFOBB Project Risk Manager).

Maintenance and Design concurrences are not required as this change order provides only monitoring of an existing structure and will not affect any permanent bridge features.

This change order received an Issue and Approve from Headquarter Construction on July 23, 2010.

No time adjustment is warranted as this change order does not affect the controlling operation.

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CONCURRED BY:			ESTIMATE OF COST																				
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FHWA Rep.:	HQ, Jon Tapping	Date 7/20/10																					
Environmental:		Date																					
Other (specify):	HQ, Rich Foley	Date 7/20/10																					
Other (specify):	PCE, Pete Siegenthaler, Prin TE	Date 5/5/10																					
District Prior Approval By:		Date																					
HQ (Issue Approve) By:	HQ, Larry Sathianey <i>Sen Hossniew</i>	Date 7/23/10																					
Resident Engineer's Signature:	<i>for Gary Pursell</i>	Date 7/21/10																					